

tvstudy v2.2.3 (Dxtpx3)  
Database: localhost, Study: WLOX 525 KW-DA, Model: Longley-Rice  
Start: 2017.09.30 14:23:57

Study created: 2017.09.30 14:23:29

Study build station data: LMS TV 2017-09-29 (31)

Proposal: WLOX D32 DT CP BILOXI, MS  
File number: WLOX 525 KW-DA  
Facility ID: 13995  
Station data: User record  
Record ID: 924  
Country: U.S.  
Zone: III

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
WABG-TV	D32	DT	LIC	GREENWOOD, MS	BLCDT20051024ABR	324.6 km
WPXL-TV	D33	DT	BL	NEW ORLEANS, LA	DTVBL21729	126.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D32  
Latitude: 30 43 23.00 N (NAD83)  
Longitude: 89 5 28.00 W  
Height AMSL: 444.2 m  
HAAT: 397.0 m  
Peak ERP: 525 kW  
Antenna: DIE-TFU-27ETT/VP-R C140 (ID 1001352) 0.0 deg  
Elev Pattn: Generic  
Elec Tilt: 1.0

40.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	229 kW	389.8 m	93.5 km
45.0	129	401.9	90.1
90.0	287	397.0	95.8
135.0	515	408.0	101.5
180.0	464	408.7	100.6
225.0	421	404.3	99.4
270.0	484	386.0	99.3
315.0	484	381.8	99.0

\*\*Proposal service area extends beyond baseline plus 1.0%  
Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 1345.4 km

Distance to Mexican border: 929.9 km

Conditions at FCC monitoring station: Powder Springs GA  
Bearing: 48.5 degrees Distance: 538.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 310.0 degrees Distance: 1791.5 km

Study cell size: 2.00 km  
Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%  
Maximum new IX to LPTV: 2.00%

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Interference to BLCDT20051024ABR LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WABG-TV	D32	DT	LIC	GREENWOOD, MS	BLCDT20051024ABR	
Undesireds:	WLOX	D32	DT	BL	BILOXI, MS	DTVBL13995	324.6 km

WLOX	D32	DT	CP	BILOXI, MS	WLOX 525 KW-DA	324.6
KARK-TV	D32	DT	LIC	LITTLE ROCK, AR	BMLCDT20121102ACP	240.1
WBXH-CD	D32	DC	CP	BATON ROUGE, LA	BLANK0000024779	331.2
KPXJ	D32	DT	CP	MINDEN, LA	BLANK0000028329	325.3
W18BL-D	D32	DC	CP	ADAMSVILLE, TN	BLANK0000025831	286.9
WPXX-TV	D33	DT	CP	MEMPHIS, TN	BLANK0000027006	214.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
34575.2 393,020	34523.0 392,348	34310.7 389,776	34310.7 389,776	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WLOX D32 DT BL 28.1	55	28.1 55	
WLOX D32 DT CP 28.1	55	28.1 55	
KARK-TV D32 DT LIC 184.2	2,517	184.2 2,517	184.2 2,517

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Interference to DTVBL21729 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPXL-TV	D33	DT	BL	NEW ORLEANS, LA	DTVBL21729	
Undesireds:	WLOX	D32	DT	BL	BILOXI, MS	DTVBL13995	126.5 km
	WLOX	D32	DT	CP	BILOXI, MS	WLOX 525 KW-DA	126.5
	WBXH-CD	D32	DC	CP	BATON ROUGE, LA	BLANK0000024779	125.5
	KLPA-TV	D33	DT	CP	ALEXANDRIA, LA	BLANK0000028079	302.5
	WVLA-TV	D34	DT	LIC	BATON ROUGE, LA	BLCDT20051221A00	128.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
21665.7 1,569,787	21665.7 1,569,787	21621.5 1,569,185	21621.5 1,569,185	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WLOX D32 DT BL 8.0	506	8.0 506	
WLOX D32 DT CP 8.0	506	8.0 506	
WVLA-TV D34 DT LIC 36.2	96	36.2 96	36.2 96

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Interference to proposal, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WLOX	D32	DT	CP	BILOXI, MS	WLOX 525 KW-DA	
Undesireds:	KNOV-CD	D31	DC	CP	NEW ORLEANS, LA	BLANK0000027918	127.1 km
	WBXH-CD	D32	DC	CP	BATON ROUGE, LA	BLANK0000024779	202.4
	WABG-TV	D32	DT	LIC	GREENWOOD, MS	BLCDT20051024ABR	324.6
	WPXL-TV	D33	DT	CP	NEW ORLEANS, LA	BLANK0000027027	126.4

Service area	Terrain-limited	IX-free	Percent IX
29830.2 1,182,149	29794.3 1,170,659	29726.1 1,168,671	0.23 0.17

Undesired	Total IX	Unique IX	Prcnt Unique IX
WABG-TV D32 DT LIC 4.0	0	4.0 0	0.01 0.00
WPXL-TV D33 DT CP 64.3	1,988	64.3 1,988	0.22 0.17

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Interference to proposal, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WLOX	D32	DT	CP	BILOXI, MS	WLOX 525 KW-DA	
Undesireds:	KNOV-CD	D31	DC	CP	NEW ORLEANS, LA	BLANK0000027918	127.1 km
	WBXH-CD	D32	DC	CP	BATON ROUGE, LA	BLANK0000024779	202.4
	WABG-TV	D32	DT	LIC	GREENWOOD, MS	BLCDT20051024ABR	324.6
	WPXL-TV	D33	DT	BL	NEW ORLEANS, LA	DTVBL21729	126.5

Service area	Terrain-limited	IX-free	Percent IX
29830.2 1,182,149	29794.3 1,170,659	29694.0 1,166,898	0.34 0.32

Undesired	Total IX	Unique IX	Prcnt Unique IX
WABG-TV D32 DT LIC 4.0	0	4.0 0	0.01 0.00
WPXL-TV D33 DT BL 96.4	3,761	96.4 3,761	0.32 0.32

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Interference to proposal, scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WLOX	D32	DT	CP	BILOXI, MS	WLOX 525 KW-DA	
Undesireds:	KNOV-CD	D31	DC	BL	NEW ORLEANS, LA	DTVBL64048	127.1 km
	WBXH-CD	D32	DC	CP	BATON ROUGE, LA	BLANK0000024779	202.4

WABG-TV	D32	DT	LIC	GREENWOOD, MS	BLCDT20051024ABR	324.6
WPXL-TV	D33	DT	CP	NEW ORLEANS, LA	BLANK0000027027	126.4

Service area		Terrain-limited		IX-free		Percent IX
29830.2	1,182,149	29794.3	1,170,659	29726.1	1,168,671	0.23 0.17

Undesired		Total IX		Unique IX		Prcnt Unique IX
KNOV-CD D31 DC BL	12.1	38	0.0	0	0.00	0.00
WABG-TV D32 DT LIC	4.0	0	4.0	0	0.01	0.00
WPXL-TV D33 DT CP	64.3	1,988	52.2	1,950	0.18	0.17

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Interference to proposal, scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WLOX	D32	DT	CP	BILOXI, MS	WLOX 525 KW-DA	
Undesireds:	KNOV-CD	D31	DC	BL	NEW ORLEANS, LA	DTVBL64048	127.1 km
	WBXH-CD	D32	DC	CP	BATON ROUGE, LA	BLANK0000024779	202.4
	WABG-TV	D32	DT	LIC	GREENWOOD, MS	BLCDT20051024ABR	324.6
	WPXL-TV	D33	DT	BL	NEW ORLEANS, LA	DTVBL21729	126.5

Service area		Terrain-limited		IX-free		Percent IX
29830.2	1,182,149	29794.3	1,170,659	29694.0	1,166,898	0.34 0.32

Undesired		Total IX		Unique IX		Prcnt Unique IX
KNOV-CD D31 DC BL	12.1	38	0.0	0	0.00	0.00
WABG-TV D32 DT LIC	4.0	0	4.0	0	0.01	0.00
WPXL-TV D33 DT BL	96.4	3,761	84.3	3,723	0.28	0.32